OWNER'S MANUAL

# TOSHIBA

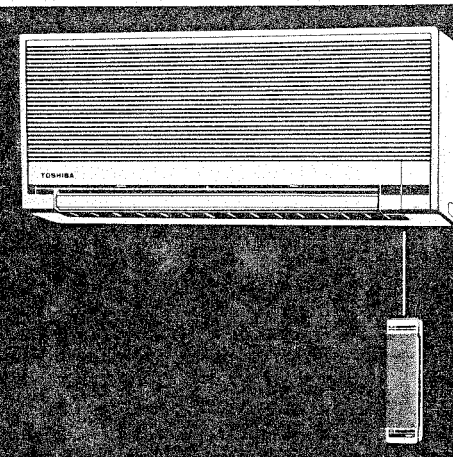
# AIR CONDITIONER (SPLIT)

Indoor Unit

# RAS-M20GKV (W)

Outdoor Unit

# RAS-M40GAV



By using the changing kits, this air conditioner can be combined with four indoor units. The following combinations are available:

| Number of indoor units | Changing kit | Outdoor unit |
|---|---|---|
| 3 units | RB-Z28E1<br>1 kit | RAS-M40GAV |
| 4 units | RB-Z28E1<br>2 kits | RAS-M40GAV |

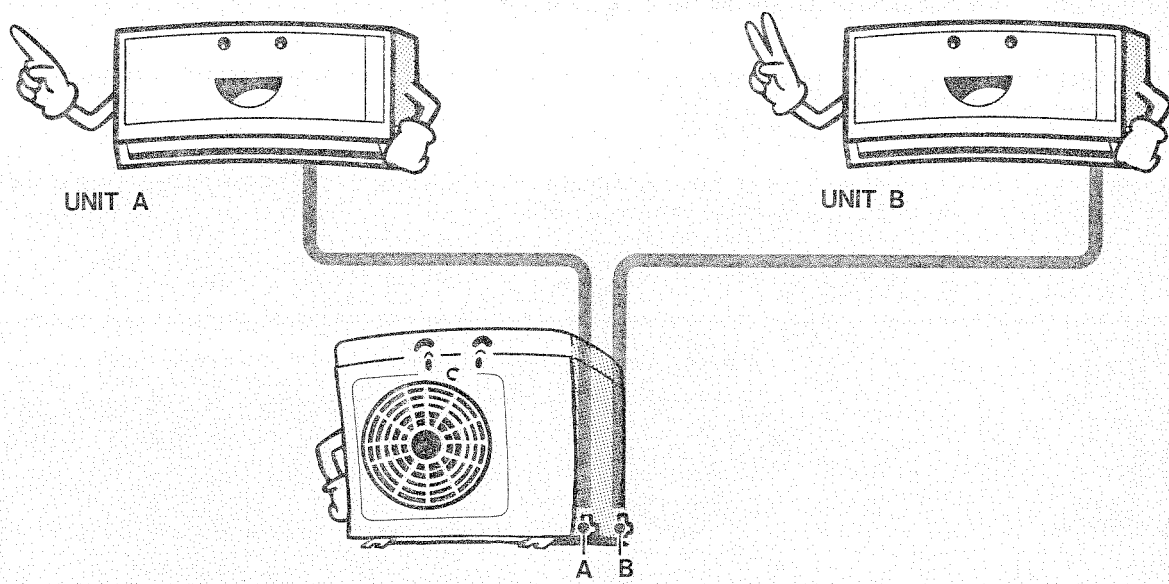
**Thank you very much for purchasing our TOSHIBA Air Conditioner Please read this owner's manual carefully before using your Room Air Conditioner.**

# FEATURE AND FUNCTIONS

## FEATURE

### INVERTER AIR CONDITIONER

This is split-type multi-system air conditioner which is able to operate 2 indoor units with 1 outdoor unit. This air conditioner operates economically with a built-in inverter (frequency changer). The inverter operates at high power until your Room temperature comes down to thermo knob temperature and the unit operates at low power so you can save energy.




## FUNCTIONS

### SELECTION of OPERATION MODE

The air conditioner has 3 modes: cool, dry, and fan only.

### COOLING OPERATION

Volume of air flow and temperature setting are adjustable to achieve perfect comfort.

### DRY OPERATION

Moisture is removed from the room air without reducing the room temperature so much.

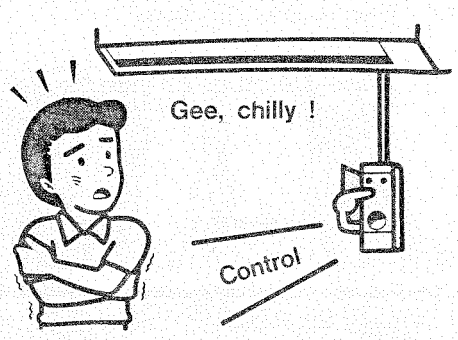
### FAN ONLY OPERATION

# COSTOMER HINTS

## For Lower Power Comsumption and Assured Cooling Comfort

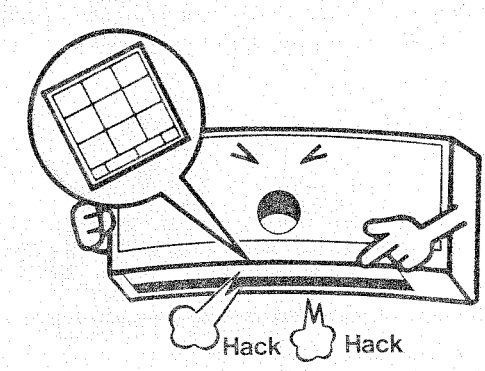
### Maintain room temperature at a Comfortable level

Overcooling is bad for your health.



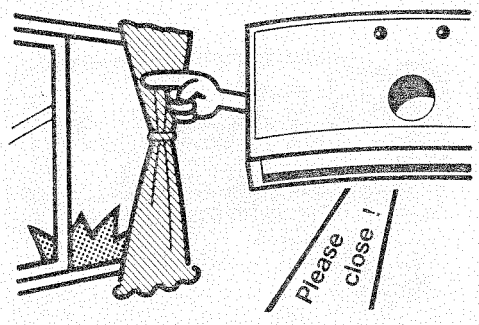

### Clean the air filter

A clogged air filter impairs cooling efficiency. Clean it from time to time.



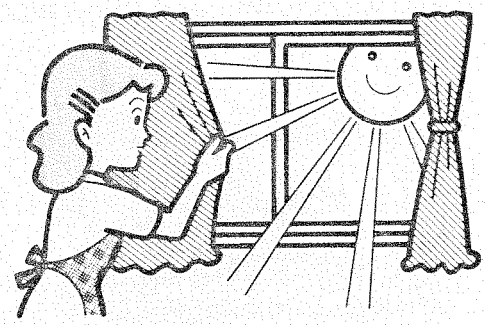

### Never open doors and windows more often than necessary

To keep cold air in the room, never open doors and windows more often than necessary.



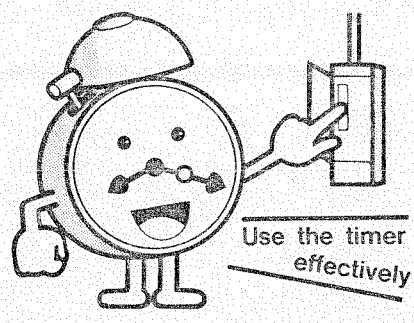

### Window curtains

In cooling, close curtains to avoid direct sunlight.



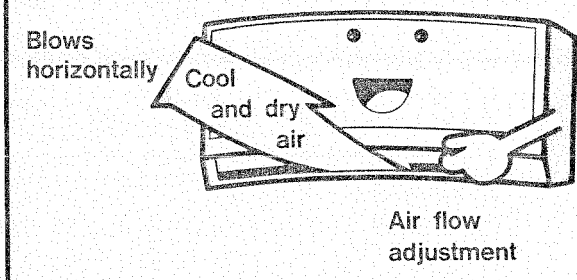
### Use timer to your benefit

Set the timer for the required time.




### Get uniform circulation of room air

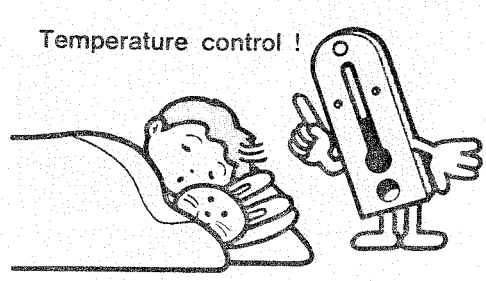
Adjust air flow direction for uniform circulation of room air.



# PRECAUTIONS FOR PROPER USE OF AIR CONDITIONER

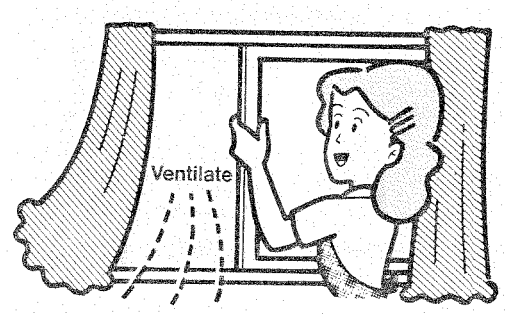
## Control room temperature for maximum comfort

Be sure to keep room temperature comfortably especially using for the handicapped, nursing baby, small child, the old or patient.



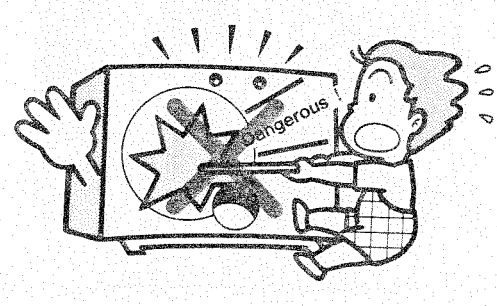

## Ventilate room occasionally

Ventilate the room occasionally when running the air conditioner. Be sure to ventilate especially when using a gas apparatus.



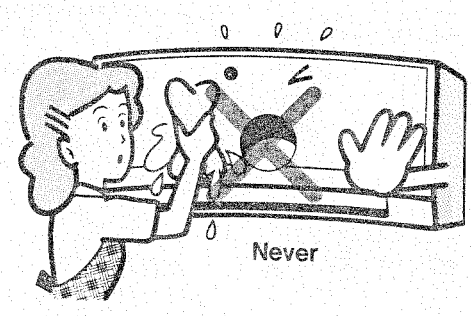

## Never poke a rod or hands into air inlet or outlet

The fan goes round at high speed inside. So it is dangerous to poke a rod or hands into air outlet. And it may cause a machine trouble.




## Never sprinkle water

To avoid electric shock, don't use soaked cloth when you clean the indoor unit.
Don't sprinkle water on the indoor unit.



# AIR CONDITIONER OPERATIONS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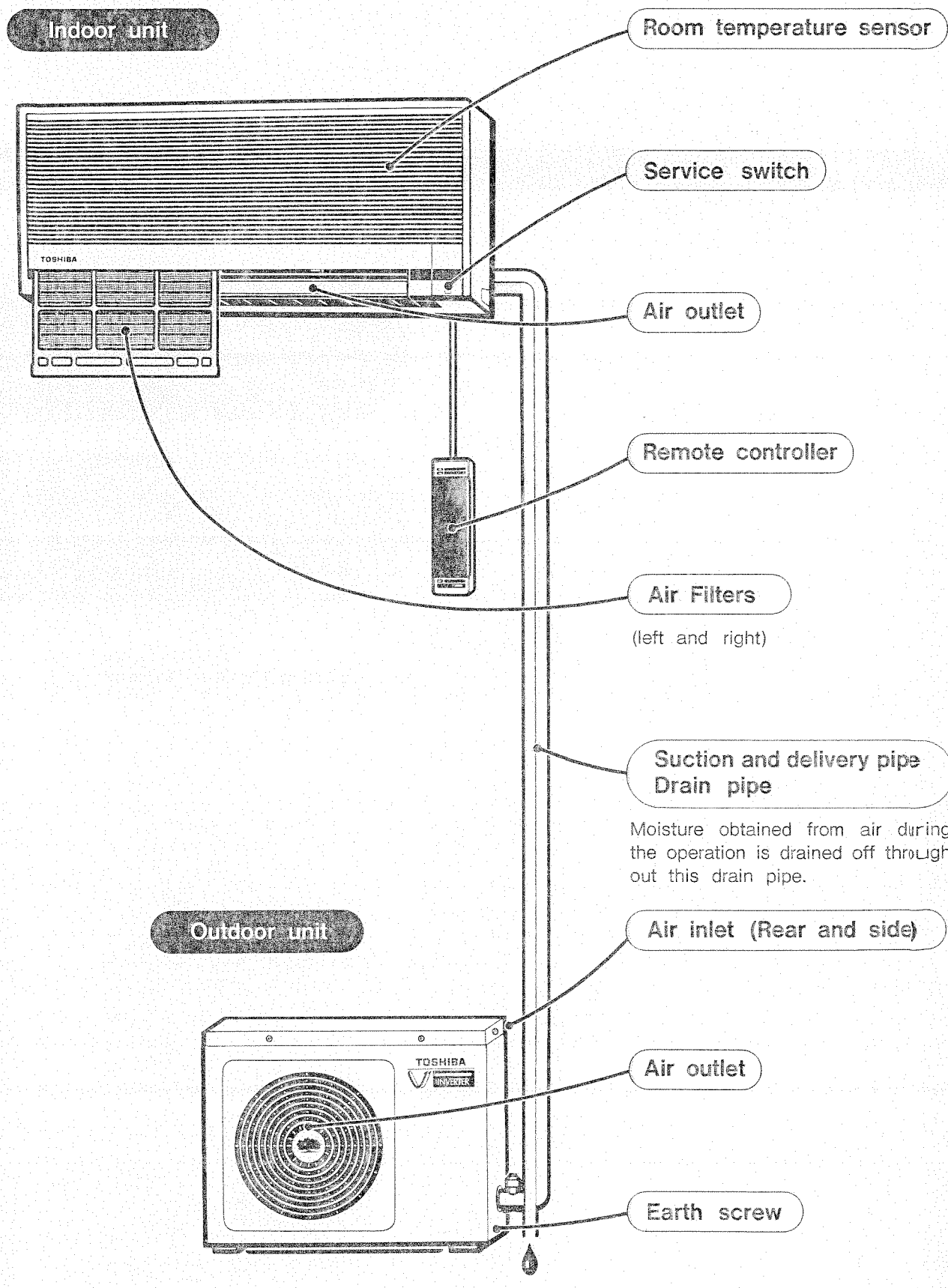
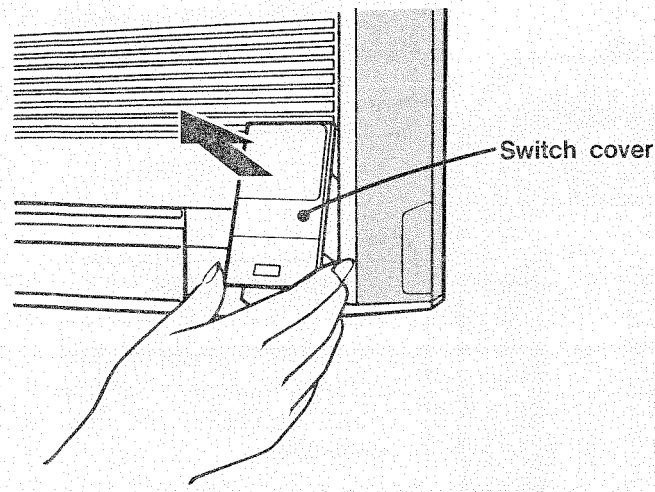
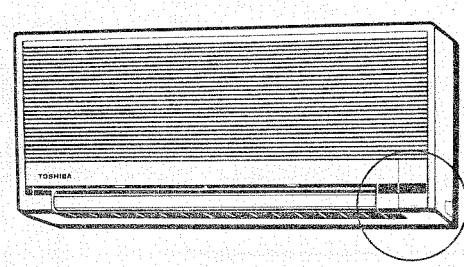
# PARTS NAME

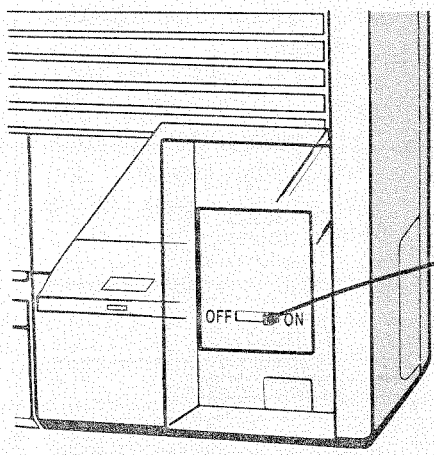

Indoor unit
Room temperature sensor
Service switch
Air outlet
Remote controller
Air Filters
(left and right)
Suction and delivery pipe
Drain pipe
Moisture obtained from air during the operation is drained off through out this drain pipe.
Outdoor unit
Air inlet (Rear and side)
Air outlet
Earth screw
TOSHIBA
TOSHIBA

# SERVICE SWITCH AND ITS FUNCTION

When operating the indoor unit press the switch cover, then lift it.




**Service switch**

The service switch switches the power of the indoor unit on or off.
Set this switch to ON normally, set it to OFF when the air conditioner is not operated for a long time.

# REMOTE CONTROLS AND THEIR FUNCTIONS

## Operation Mode Lamps

- COOL • DRY·····Green
  On during cooling or dry operation.
  It goes off when the room temperature reaches the temperature setting.
- FAN ONLY·····Green
  On during fan only operation.

## TIMER knob

Set to a desired time.

## TIMER SELECTOR knob

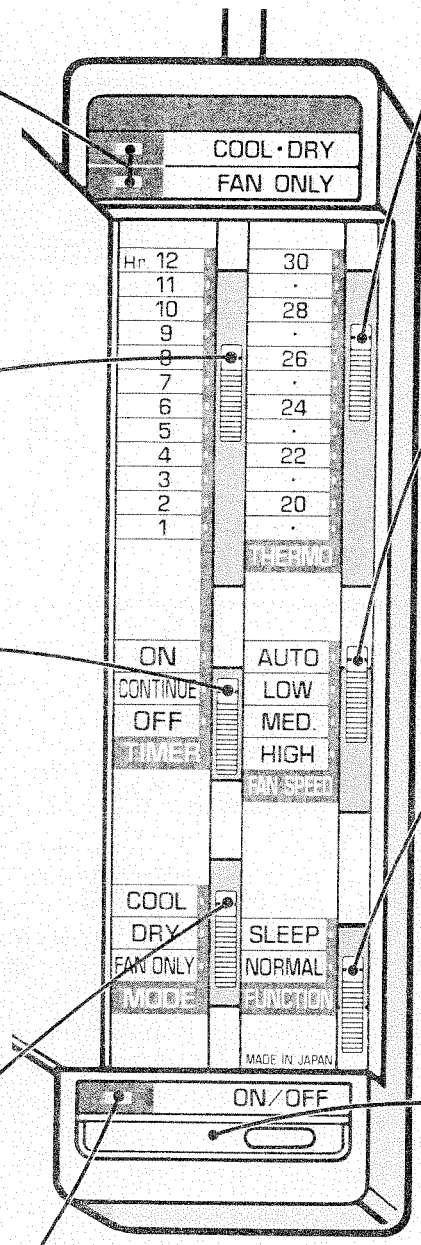
Upon expiry of the set timer interval, the air conditioner starts operating if the knob is set at ON or stops operating if the knob is at OFF. With the knob set at CONTINUE, the air conditioner continues operating regardless of the timer interval setting.
(See page 11 for further details.)

## MODE knob

Use to select the operation mode COOL, DRY or FAN ONLY.

## Pilot lamp

The pilot lamp stays on while the air conditioner is running. It begins blinking if a power failure occurs.




## THERMO knob

The figure gives a rough measure of the temperature setting.

## FAN SPEED knob

The AUTO position automatically changes the fan speed depending on room temperature.

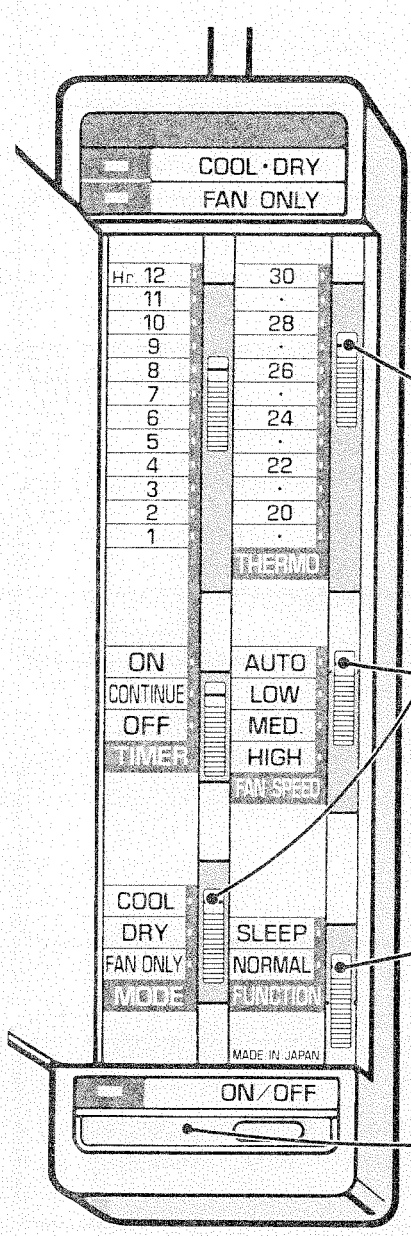
## FUNCTION knob

Use to select knob NORMAL or SLEEP.
Start the SLEEP operation before going to bed at night, then it will prevent overcooling while saving energy consumption. (See page 17 for further details.)

## ON/OFF button

Press this button to start the air conditioner, press it again to stop it.

# COOLING OPERATION




Power supply

### Service switch

Reset for service switch to ON.

1

### MODE knob

Set to COOL.

2

### THERMO knob

Set to a desired temperature.

3

### FAN SPEED knob

Set to AUTO, HIGH, MEDIUM or LOW.

4

### FUNCTION knob

Set to NORMAL or SLEEP.

● For sleep operation, see page 17.

5

### ON/OFF button

Press this button. The lamp goes on and the air conditioner starts operating in about 3 minutes.

STOP

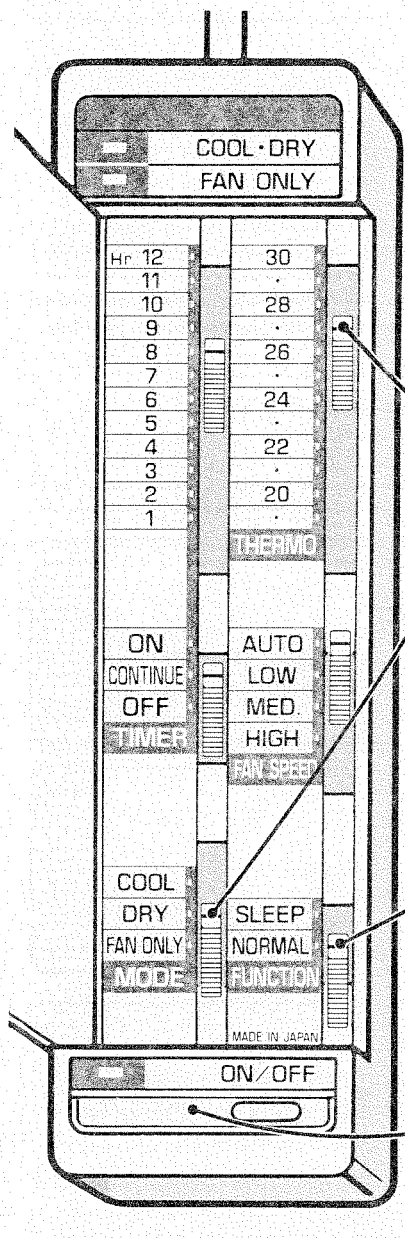
### ON/OFF button

Press this button again. The lamp goes off and the air conditioner stops operating.

● For timer operation, see page 11.

# DRY OPERATION

The dry operation regulates the room temperature with emphasis on dehumidifying room air. (See page 17 for further details.)




Power supply

### Service switch

Reset for service switch to ON.

1

### MODE knob

Set to DRY.

2

### THERMO knob

Set to a desired temperature.

3

### FUNCTION knob

Set to NORMAL.

4

### ON/OFF button

Press this button. The lamp goes on and the air conditioner starts operating in about 3 minutes.

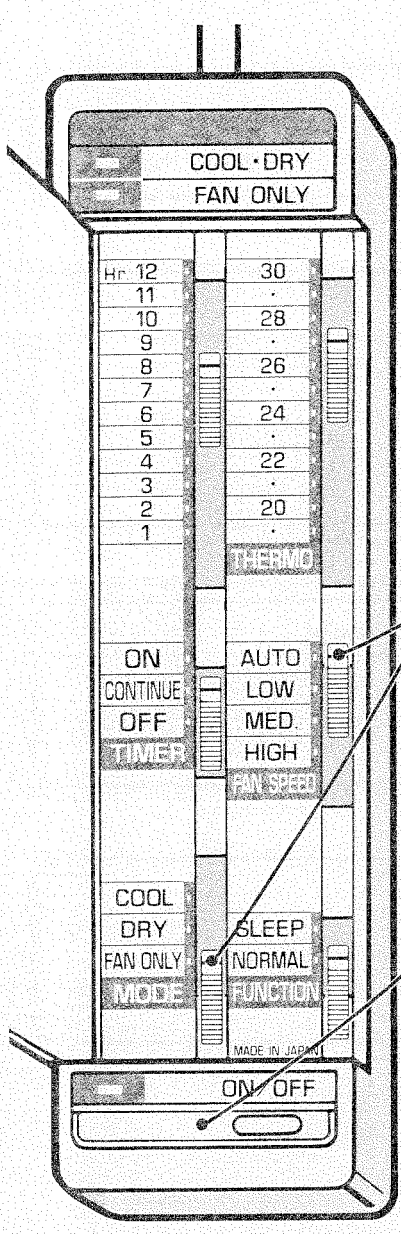
STOP

### ON/OFF button

Press this button again. The lamp goes off and the air conditioner stops operating.

● For timer operation, see page 11.

# FAN ONLY OPERATION




Power supply

### Service switch

Reset for service switch to ON.

1

### MODE knob

Set to FAN ONLY

2

### FAN SPEED knob

Set to AUTO, HIGH, MEDIUM or LOW.

3

### ON/OFF button

Press, and the lamp goes on and the air conditioner starts operating.

STOP

### ON/OFF button

Press again. The lamp goes off and the air conditioner stops operating.

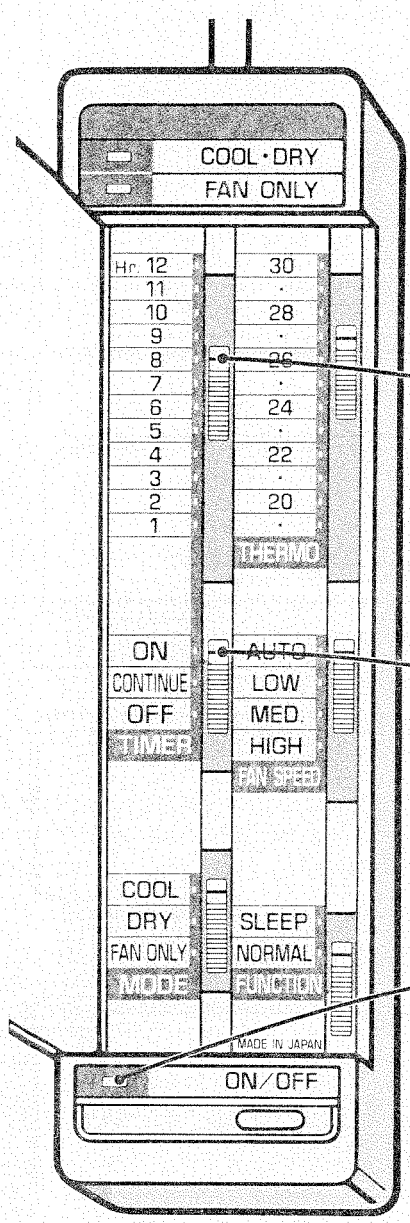
● For timer operation, see page 11.

If the FUNCTION knob is set to SLEEP during FAN ONLY operation, the air conditioner stops automatically after a timer interval of 10 hours.

# TIMER OPERATION

**OFF➡ON** | **EX.** Use before going out.

**ON➡OFF** | **EX.** Use before going to bed.




### 1 TIMER knob

Set the knob to the desired time.
Example:
It is now 10 p.m. If you want the air conditioner to stop at 6 a.m. the next morning, then set to the position 8.

### 2 TIMER SELECTOR knob

Set the knob to ON to start the air conditioner after the hours of TIMER knob, position. OFF to stop it.

### 3 CHECK

Check the pilot lamp is on.
- If the lamp is off, press the ON/OFF button.

- Sleep operation may be combined. See page 17 for further details.

**To stop the air conditioner**
- Press the ON/OFF button.

**To change the timer setting**
- Set the TIMER knob to a desired time, and the timer will start immediately for the new timer interval.

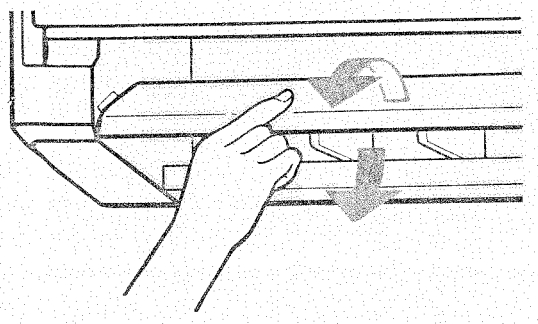
**To change to continuous operation during timer operation**
- Changing from OFF to CONTINUE, set the TIMER knob to CONTINUE.
- Changing from ON to CONTINUE, set the TIMER knob to CONTINUE and press the ON/OFF button.

# ADJUSTING AIR FLOW DIRECTION

**Cooling effects can be maximized by adjusting grilles.**

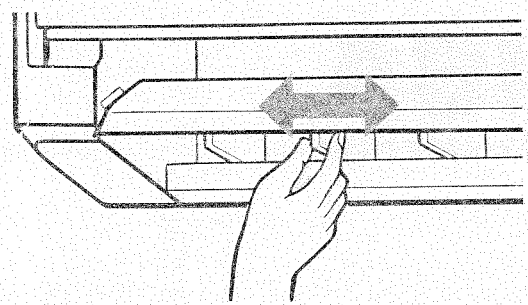
## Vertical flow direction

Move the grille to adjust the vertical air flow.



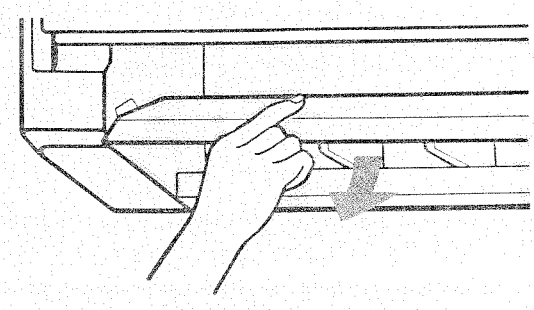
## Horizontal flow direction

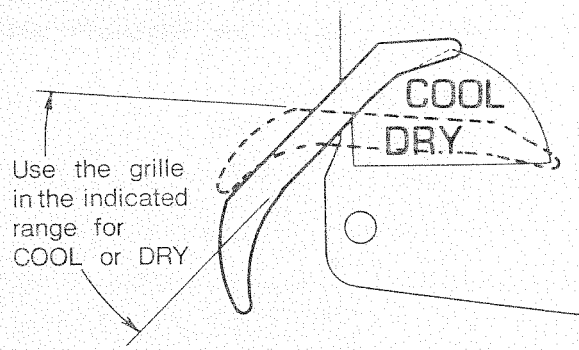
Move the grille to adjust the horizontal air flow.



## During cooling or dry operation

Use the vertical flow grille in the range indicated by a mark.






**CAUTION**

Dew may condense on the surfaces of the grille when it is used outside of the indicated range for COOL or DRY in cooling operation.

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···In Touch with Tomorrow

TOSHIBA CORPORATION

MADE IN JAPAN

(E075001736)